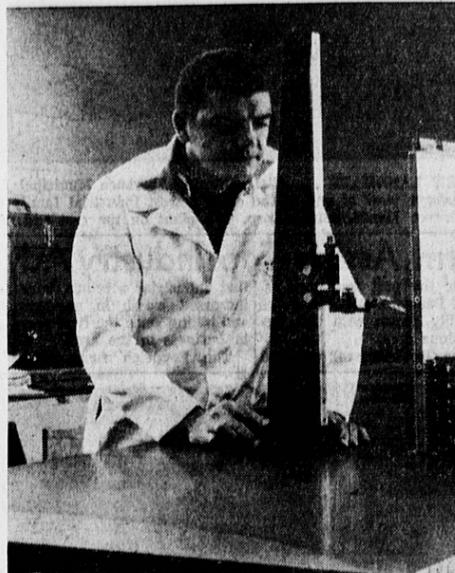


Horkey-Moore Produces Aircraft, Missile Parts

Horkey-Moore Associates, formed in 1957 by the merger of Horkey Associates, Los Angeles, and Moore Development Co., Torrance, offers advanced engineering and manufacturing resources. The company's activities include engineering, research and development, testing and production of aircraft and missile components, systems and sub-systems.

The company operates in some of the rapidly changing areas of knowledge in the fields of nuclear aircraft engines materials, propellant-actuated separation and escape capsule devices, high-temperature materials and guidance control systems.



TEST CHAMBER . . . Installing equipment in a six-foot diameter environmental testing chamber, equipped to simulate conditions at 100,000 ft. altitudes and high and low temperature environments is done by Horkey-Moore engineers and technicians.

HMA CREATIVE specialists are able to bring entirely new approaches to many problems in these fields. As a result, the

A CONTINUOUS program of research and development keeps the company ahead in its particular fields of development, discloses new horizons for expanding technical competence and helps create better components, processes and products.

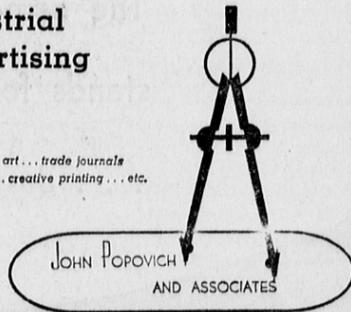
IN THE FIELD of environmental testing, too, HMA is an acknowledged leader on the West Coast. The company's newly-completed automatically-operated testing chamber, 14 ft. wide by 24 ft. long by 15 ft. high is the only chamber on the West Coast large enough to permit testing of every known or anticipated wheeled ground support equipment. Environments can be simulated for temperatures ranging from minus 100° to plus 200° F. for rain, salt spray, and humidity.

The Torrance plant and offices cover an area under room of more than 35,000 sq. ft. There were 261 employees at the end of December, of whom more than 40% were engaged in direct engineering activities.

OFFICERS OF the company are: Edward J. Horkey (president and treasurer); Joseph H. Moore (vice president—manufacturing); John N. Kerr (vice president — engineering); Robert C. Chilton (vice president — development); Jams J. Sloan (secretary) and Paul Jones (manager — customer relations).

Industrial Advertising

brochures . . . art . . . trade journals
direct mail . . . creative printing . . . etc.



2271 Torrance Blvd., Torrance . . . FA. 8-2445 . . . SP. 5-1080

14 National Supply Co. Employees Feted for 435 Years With Firm

Fourteen employees of The National Supply Co. in Torrance were luncheon guests of the company management this month to receive service pins or watches in recognition of 25 or more years of service.

Twice each year, as employees reach the 25 year or greater milestone, recognition awards are presented to the group. Five of the January group were recognized for 40 years service each, including Clair Stewart, foreman of heat treat; Louis Cranston, supervisor of the machine shop; F. W. Mill, division controller; D. A. Murphy, engineer of engineering; and Charles Knowlton, recently retired foreman of the machine shop.

Owen Lake, recently retired export division manager was honored for reaching the 35 year mark.

Twenty-five year service honorees included Mae Sleep, secretary to the division controller; Jack Buffalo, of the electrical department; Chalmers Ethridge, of the plant ware-

house; Gerritt Geerlings, of maintenance; Ralph Orr, of the machine shop; Robert McKenna, superintendent of production control; Alfred Willoughby, supervisor of the foundry; and Mark Wright, supervisor of tool control.

The National Plant here takes great pride in the long service records of many of its employees. Starting 1960, the company lists 80 employees who have more than 25 years service. Of this group 48 have over 30 years, 29 have over 35 years and 11 have more than 40 years service. These are the people who are proving the plant motto "—Since 1912, A Good Place to Work."

The Old Timer



"Do not resent growing old. Many are denied the privilege."



MANAGER G. W. RUTHERFORD
... Heads Ryan's Electronic Division

Wide Aircraft Experience Gained by Ryan's Manager

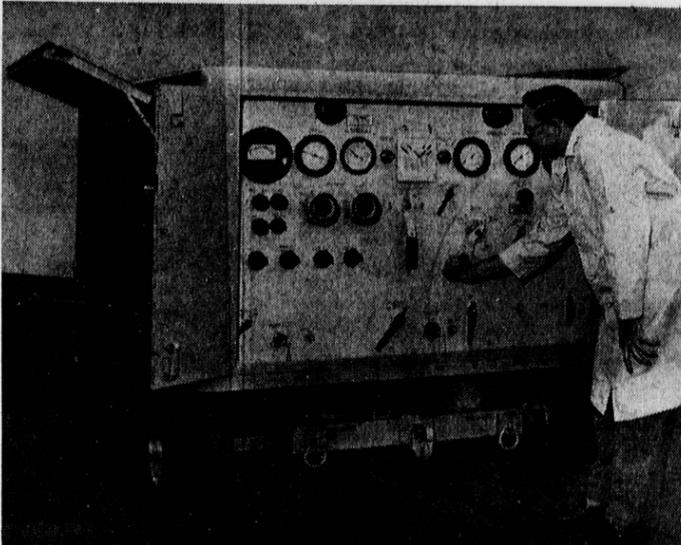
G. W. Rutherford was named manager of the Ryan Electronics Division in August, 1958, at the same time the Torrance Division was consolidated with the Kearny Mesa (San Diego) Division to make up the Electronics Division.

Rutherford, also the assistant controller for the Ryan Aeronautical Co., joined Ryan in 1951 as the assistant to the company's legal counsel. He transferred to the controller office in 1952 as executive assistant and was appointed assistant controller in 1955.

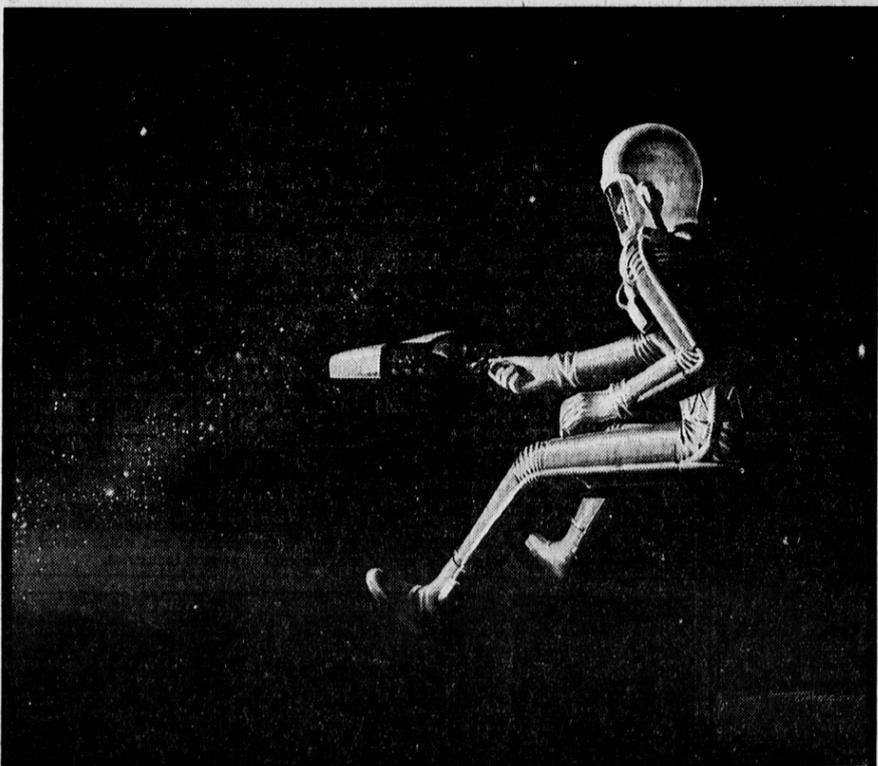
For approximately five years, including a period during World War II, Rutherford was

associated with Consairways, a division of Consolidated Vultee, concerned with the delivery and maintenance of B-24 Liberator bombers in the Southwest Pacific. He served as navigator and was later in charge of airlines schedules, air crews, maintenance and Army coordination for the Honolulu Division.

After the war, he attended Stanford University and received degrees in business administration and law, graduating with Phi Beta Kappa honors in 1950. He practiced law in San Diego for approximately a year before joining the Ryan organization.



CRITICAL TEST . . . A Horkey-Moore engineer tests a heat exchanger used in advanced navigation-bombing systems. This is just one of the many complex projects undertaken by the Horkey-Moore firm of Torrance.



SHARP "EYES" FOR FLIGHT

Sharpest new "eyes" for flight are the advanced electronic navigation systems which RYAN ELECTRONICS is producing for aircraft and helicopters for the Navy and Army.

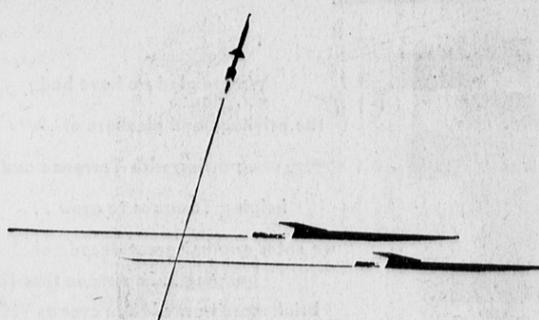
In eight types of aircraft and four types of helicopters, these new systems are pinpointing the navigation, bombing, anti-submarine, photomapping, aircraft-early-warning and mine-laying

operations of the Navy and the low-level "nap-of-the-earth" reconnaissance and troop-carrying operations of the mobile new Army.

With Torrance production lines expanding to meet multi-million dollar orders, RYAN ELECTRONICS is also planning new electronic systems for missile guidance, space navigation and "soft" moon landings.

RYAN ELECTRONICS

DIVISION OF RYAN AERONAUTICAL COMPANY
2750 West Lomita Blvd., Torrance, Calif.



PARTNERS in PROGRESS

In Torrance since 1956, we have watched the city, keep pace with the demands of the space age in which we live. We at Horkey-Moore pride ourselves on operating in some of the most rapidly developing areas of knowledge . . . for instance, ground support equipment, heat exchangers, nuclear aircraft engine materials, guidance control systems for aircraft and missiles, escape capsule devices for recovering instruments (and men) from space. We take pleasure in the fact that we operate, too, in one of the most rapidly developing areas of industry in Southern California—in the City of Torrance. May we go forward, together, to new heights in the years to come!

h m a

horkey-moore associates

24660 Crenshaw Boulevard
Torrance, California / SPuce 5-1211